

Appln SN: 09/921,992
Response to Office Action mailed 01/16/2004
Atty Docket: REN-00-084-US

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)

2. (currently amended) ~~The~~ A substantially purified nucleic acid molecule of ~~claim 1, that~~ encodes a protein comprising an amino acid sequence consisting of SEQ ID NO: 50, wherein said protein is operably linked to a chloroplast transit peptide ~~[-] encoding sequence.~~

3. (canceled)

4. (currently amended) The substantially purified nucleic acid molecule of claim ~~[[1]]~~ 2, wherein said nucleic acid molecule further comprises: (A) a promoter; and (B) a heterologous nucleic acid molecule that encodes an amino sequence selected from the group consisting of SEQ ID NO~~[[s]]~~: 4 and 48 through 50.

5. (original) A transformed cell comprising the nucleic acid molecule of claim 4.

6. (withdrawn)

7. (original) A transgenic plant comprising the nucleic acid molecule of claim 4.

8. (currently amended) Seed derived from ~~[[a]]~~ the transgenic plant of claim 7, wherein the seed comprises the nucleic acid molecule of claim 4.

9. (currently amended) A method of producing a transgenic plant having a seed with an altered isoprenoid compound level comprising: (A) transforming ~~a~~ a the plant with a nucleic acid molecule to produce ~~[[a]]~~ the transgenic plant, wherein the nucleic acid molecule encodes a protein with an amino acid sequence selected from the group consisting of SEQ ID NO~~[[s]]~~: ~~[[4]]~~ and 48~~[-]]~~50; and (B) growing the transgenic plant.

10. (withdrawn)